



Deploying CRIS systems in reporting on public research funding



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UHASSELT

KNOWLEDGE IN ACTION



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ECOOM
Expertisecentrum O&O Monitoring

Flemish Research Information Space (FRIS) Roadmap

FRIS 1.0 (2008-2014):

- Metadata
- All Flemish universities (5)
- Collect & display



Flemish Research Information Space (FRIS) Roadmap



FRIS 1.0 (... -2014):

- Metadata
- All Flemish universities (5)
- Collect & display

FRIS 2.0 (2014-2018)

- Metadata: extension of existing objects
- Qualitative data, information exchange and retrieval (open data)

FRIS2.0

FRIS
Research portal



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Project title, abstract

Keywords

Budget (back-end)

Start & End date

Researcher(s)/organization(s)

Discipline & Funding codes

- ☐ BOF - Bilateral scientific cooperation (322)
- ☐ BOF - Concerted Research Project (889) from 1994
- ☐ BOF - Doctoral projects (previously NOI/LP) (3256)
- ☐ BOF - Other initiatives (3559)
- ☐ BOF - Research professorship (249)
- ☐ BOF - VIS/COF (11)



Project

Development of industrially viable nanotechnology for thin film solar cells (R-9430)



Development of industrially relevant nanolithography techniques, especially nano-imprint lithography (NIL), for the integration of nanostructures in thin film solar cells. These nanostructures will be used for passivation and texturing the rear and front of these solar cells. The grantee will have the possibility to collaborate with a NIL tool manufacturer via an Horizon 2020 Project, i.e. ARCIGS-M.

Date: 1 Jan 2019 → Today

Keywords: zonnecellen

RESEARCHERS

- [Bart VERMANG](#) (Promoter)
[Engineering Materials and Applications](#)
Duration: 1 Jan 2019 → Today

PROJECT PARTNERS

- [Engineering Materials and Applications](#)
Project Owner
From 1 Jan 2019 → Today
[Hasselt University](#)

FUNDING

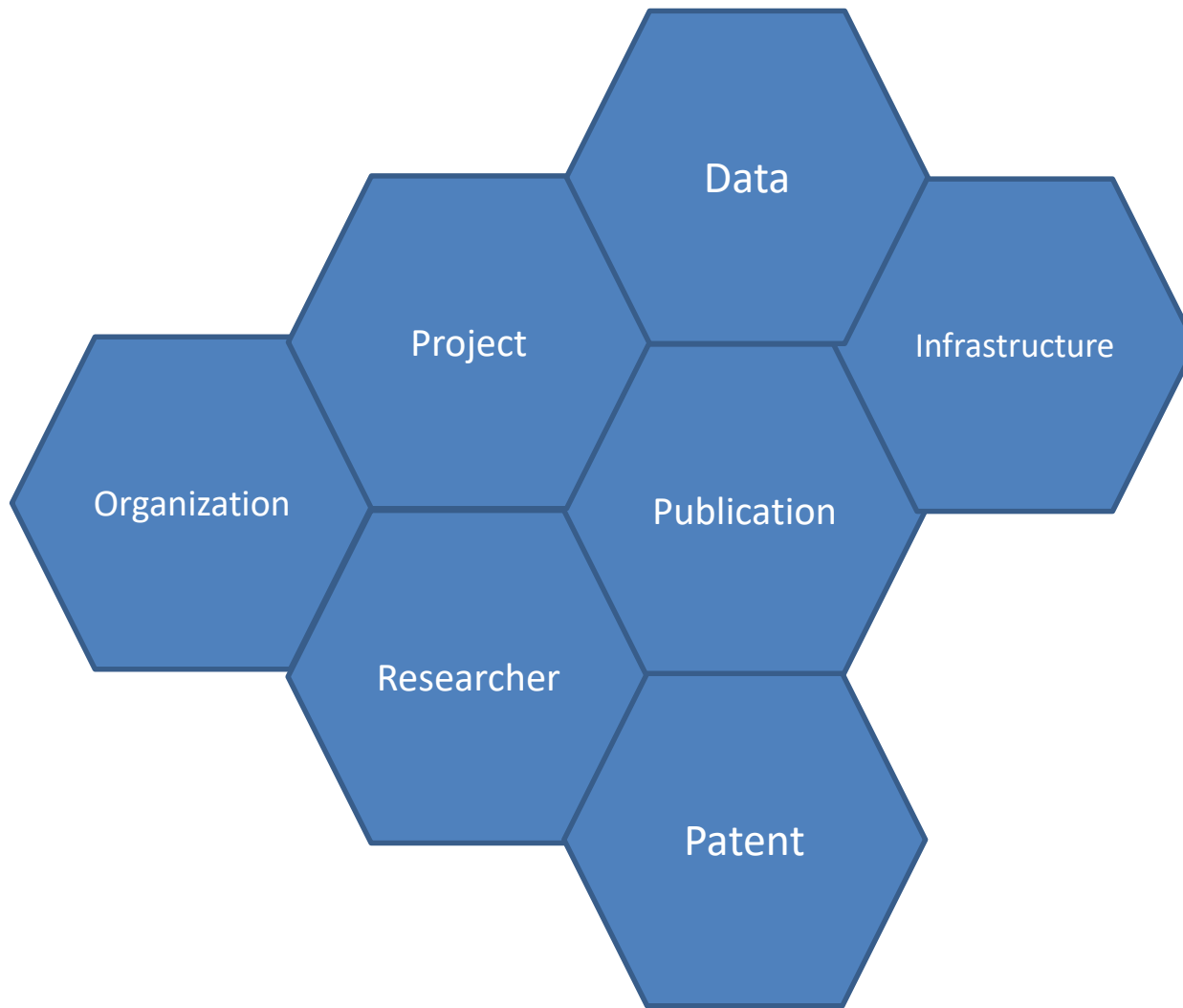
1 - 1 of 1 results

- **Funding:** BOF - Bilateral scientific cooperation (Principal funding)
Funding party: Flemish Government
Policy level funding: Flemish

FRIS 3.0

- Reporting on public research funding
 - Legal framework
 - BOF (art.68) - approved on May 3, 2019
 - IOF (art. 20/1) - approved on May 24, 2019
 - Information objects/metadata to be included in FRIS
 - Reporting on public research funding
 - Indicators & conditions
- Deadline: December 31, 2021
- *Cave:* Data should comply as of January 1, 2019

Flemish Research Information Space (FRIS) Roadmap



FRIS 3.0 (2019-2021)

- Metadata: linking and extending existing objects, new information objects
- All universities (5), strategic research centres (4), Flem. higher education colleges, other  RIs

FRIS 3.0 – Example: international scientific cooperation

- Information model, data governance (semantics, roles & responsibilities)
- Revision of existing information objects:
 - Projects: funding codes
 - Researcher: nationality? MSc certificate?
 - Organization: legal address? Physical partner address?
 - Associated publications, data, patents, research infrastructure
- Reporting via FRIS
 - Year: grant start year, budget year, year of approval?
 - Budget: awarded, budgeted (which procedure), spent (which end date)
- Conditions

1b. VOORWAARDEN (referentiebedragen overeenkomstig het BOF-besluit)	artikel	bedrag	% van de instelling	referentiebedrag (via formules gebaseerd op BOF- besluit)	% volgens BOF- besluit	status (OK/NOK)	validatie door de instelling (OK of NOK, en eventuele commentaar of argumentatie)
9 Minimale eigen aanvullende bijdrage van de totale overheidsbijdrage - (min. 7% van (4))	19 2de lid		berekend	12,250	min. 7%	OK/NOK	
10 Beheer van het BOF (maximum 6% van Globale BOF-middelen (7))	20		berekend	11,700	max. 6%	OK/NOK	nvt
11 Transfer naar werkmiddelen (maximum 30% van-BOF-middelen (8))	21 lid 1, 2 en 3		berekend	-	max. 30%	OK/NOK	nvt
12 Toegekend aan projecten van type 1, 2 en 3 (minimum 50% van BOF-middelen (8))	49		berekend	-	min. 50%	OK/NOK	
13 Toegekend aan interuniversitaire projectenprogramma (projecten type 3) (20 mio geïndexeerd samen met alle universiteiten om de 2 jaar)	49/1		nvt	tbd	nvt	OK/NOK	
14 Vergoeding van kosten voor werkmiddelen en loonlasten rechtstreeks verbonden aan het beheer van interuniversitaire projecten - type 3 (maximaal 200.000 euro bovenop art. 20)	49/1		nvt	200,000	nvt	OK/NOK	nvt
15 Toegekend aan internationale wetenschappelijke samenwerking (minimum van 3,5% van BOF-middelen (8))	50		berekend	-	min. 3.5%	OK/NOK	
16 Beheer van Methusalem (max. 8% van de Methusalem financiering) (3)	56		berekend	2,000	max. 8%	OK/NOK	nvt

- FRIS Meeting Group – Financial Reporting
 - Clarification of concepts
 - Alignment with Processes
- Data quality
 - Dimensions
 - Framework and indicators
 - Validation

[illegible]

Data quality

- Data fit to serve a purpose in a given context
 - Expressed in data quality dimensions (*Wang et al. (1996)*)

Category	Intrinsic	Contextual	Representational	Access
	Accuracy	Completeness	Interpretable	Accessibility
	Objectivity	Appropriate amount	Easily understandable	Security
	Reputation	Value added	Consistent	Traceability
		Relevant	Concisely represented	
		Timeliness	Alignment	
		Actionable		

- Data quality validation
 - *Rule-based checking*
 - *Data auditing*
 - *User perceptions*

Data quality

- Data quality framework with indicators
 - *Rule-based checking*
 - Business rules translated into validation rules
 - Pro's: automation of validation procedures
 - Con's: anticipated errors, control outliers manually, correction is labor-intensive
 - *Data auditing*
 - Validation of data via actual data
 - Pro's: only way for measuring some DQ dimensions (accuracy, completeness, ...), allows for finding unexpected errors
 - Con's: time-consuming, experts required, accessibility rights?
 - *User perceptions*
 - External data quality attributes

- FRIS Meeting Group – Financial Reporting
 - Clarification of concepts
 - Alignment with Processes
- Institutional FRIS Roadmap – July 1, 2019
 - Work and timeline of institutions
- Alignment with ECOOM
- Implementation in FRIS, deadline: Dec. 31, 2021

[illegible]

Questions

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